

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071550.D
 Acq On : 30 Dec 2021 15:42
 Operator : VA/SY
 Sample : M5182-07MSD
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MSD

Quant Time: Dec 31 06:54:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/02/2022
 Supervised By :Semsettin Yesilyurt 01/03/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	54539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	100188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	109276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	58927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	58852	81.251	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.500%			
35) Dibromofluoromethane	7.908	113	39209	58.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.460%			
50) Toluene-d8	10.332	98	121247	47.649	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.300%			
62) 4-Bromofluorobenzene	12.620	95	53690	59.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	21452	37.538	ug/l	86
3) Chloromethane	2.209	50	34056	46.540	ug/l	91
4) Vinyl Chloride	2.350	62	34242	39.048	ug/l	98
5) Bromomethane	2.762	94	31612	51.530	ug/l	96
6) Chloroethane	2.920	64	25058	43.057	ug/l	98
7) Trichlorofluoromethane	3.273	101	46541	43.353	ug/l	100
8) Diethyl Ether	3.709	74	27737	90.250	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	26054	41.716	ug/l	95
10) Methyl Iodide	4.303	142	20909	34.425	ug/l	93
12) 1,1-Dichloroethene	4.067	96	25639	45.123	ug/l	91
13) Acrolein	3.920	56	16637	475.482	ug/l	90
14) Allyl chloride	4.714	41	53622	49.893	ug/l #	81
15) Acrylonitrile	5.420	53	172678	1140.910	ug/l	96
16) Acetone	4.156	43	261317	1436.321	ug/l #	88
17) Carbon Disulfide	4.414	76	68388	36.939	ug/l	100
18) Methyl Acetate	4.714	43	125238	223.023	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	152941	104.269	ug/l	97
20) Methylene Chloride	4.967	84	49873	75.838	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	32402	49.234	ug/l #	95
22) Diisopropyl ether	6.361	45	157934	72.186	ug/l	91
23) Vinyl Acetate	6.303	43	644190	571.153	ug/l	97
24) 1,1-Dichloroethane	6.261	63	67588	53.886	ug/l	98
25) 2-Butanone	7.208	43	268708	1236.500	ug/l #	84
26) 2,2-Dichloropropane	7.203	77	51550	50.020	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	41920	57.587	ug/l	93
28) Bromochloromethane	7.550	49	37609	73.171	ug/l	91
29) Tetrahydrofuran	7.561	42	160773	1232.191	ug/l	92
30) Chloroform	7.708	83	75982	60.037	ug/l	95
31) Cyclohexane	7.985	56	42025	34.154	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	54196	48.285	ug/l	94
36) 1,1-Dichloropropene	8.108	75	41201	38.300	ug/l	95
37) Ethyl Acetate	7.291	43	92167	185.580	ug/l #	92
38) Carbon Tetrachloride	8.097	117	46757	44.055	ug/l	95
39) Methylcyclohexane	9.355	83	39513	31.377	ug/l	93
40) Benzene	8.350	78	140203	48.481	ug/l	100
41) Methacrylonitrile	7.520	41	42713	144.793	ug/l #	86

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42) 1,2-Dichloroethane	8.420	62	77378	82.053	ug/l	93
43) Isopropyl Acetate	8.450	43	148469	150.639	ug/l #	82
44) Trichloroethene	9.108	130	35994	47.762	ug/l	96
45) 1,2-Dichloropropane	9.385	63	45378	60.470	ug/l	93
46) Dibromomethane	9.473	93	37027	89.311	ug/l	96
47) Bromodichloromethane	9.655	83	72317	68.704	ug/l #	99
48) Methyl methacrylate	9.455	41	71930	147.482	ug/l #	79
49) 1,4-Dioxane	9.461	88	23658	5049.785	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	500705	965.623	ug/l	89
52) Toluene	10.396	92	91407	49.757	ug/l	93
53) t-1,3-Dichloropropene	10.614	75	78279	79.640	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	76574	67.418	ug/l #	80
55) 1,1,2-Trichloroethane	10.791	97	50171	95.339	ug/l	96
56) Ethyl methacrylate	10.655	69	80545	116.311	ug/l #	70
57) 1,3-Dichloropropane	10.938	76	89226	92.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	195591	589.633	ug/l	99
59) 2-Hexanone	10.979	43	387929	1058.400	ug/l	89
60) Dibromochloromethane	11.132	129	58425	88.319	ug/l	100
61) 1,2-Dibromoethane	11.238	107	56196	107.816	ug/l	100
64) Tetrachloroethene	10.867	164	27069	35.646	ug/l	94
65) Chlorobenzene	11.661	112	109000	48.628	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.732	131	46128	56.331	ug/l	97
67) Ethyl Benzene	11.738	91	170542	40.882	ug/l	96
68) m/p-Xylenes	11.843	106	126683	79.933	ug/l	92
69) o-Xylene	12.173	106	68572	47.334	ug/l	99
70) Styrene	12.185	104	125367	49.815	ug/l	96
71) Bromoform	12.349	173	43629	98.460	ug/l #	98
73) Isopropylbenzene	12.467	105	155130	34.147	ug/l	99
74) N-amyl acetate	12.279	43	121461	99.651	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	87074	106.013	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	71527m	102.158	ug/l	
77) Bromobenzene	12.749	156	47700	47.185	ug/l	75
78) n-propylbenzene	12.808	91	191135	33.565	ug/l	97
79) 2-Chlorotoluene	12.896	91	121241	38.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	132332	35.315	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	27746	111.971	ug/l #	73
82) 4-Chlorotoluene	12.996	91	129023	39.086	ug/l	100
83) tert-Butylbenzene	13.214	119	107818	33.672	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	145768	39.305	ug/l	96
85) sec-Butylbenzene	13.390	105	145002	29.704	ug/l	100
86) p-Isopropyltoluene	13.502	119	124052	30.627	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	87953	43.201	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	88553	44.359	ug/l	99
89) n-Butylbenzene	13.832	91	113987	28.673	ug/l	99
90) Hexachloroethane	14.096	117	25415	33.123	ug/l	85
91) 1,2-Dichlorobenzene	13.879	146	87470	50.624	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	21543	151.245	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	49300	46.822	ug/l #	83
94) Hexachlorobutadiene	15.249	225	10425	18.482	ug/l	97
95) Naphthalene	15.384	128	205718	102.644	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	49237	54.064	ug/l #	89

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(#)=qualifier out of range (m)=manual integration (+)=signals summed						

